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## **Report on the 5<sup>th</sup> International Bio-logging Symposium**

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### **LONG-TERM GOALS**

Bio-logging originated in the marine (polar) realm, which explains why marine mammals remain today the main biological models in bio-logging studies. We anticipate seeing state-of-the-art technologies, including acoustic tagging, 3-D trajectories reconstruction and environment monitoring devices (e.g. dissolved oxygen and chlorophyll a concentration recorders attached to elephant seals were recently presented in a bio-logging workshop in Strasbourg in March 2013) at BLS5. The term 'bio-logging' is interpreted broadly, encompassing not only logger-based technologies but also cutting-edge telemetry applications, as well as innovative systems using passive tags. The scientific scope of BLS5 is similarly broad. The conference will be arranged around the following themes:

### **OBJECTIVES**

The present project was concerned with the organization of the 5<sup>th</sup> International Bio-logging Symposium (BLS5) that was held the 22-27 September 2014 in Strasbourg, France.

### **APPROACH**

Yan Ropert-Coudert was the convenor of BLS5 that was host by his two primary institutions: the Institut Pluridisciplinaire Hubert Curien (IPHC), CNRS Unit 7178, and the University of Strasbourg, France. Key people at the IPHC were Dr. Akiko Kato (co-convenor), Ms Catherine Berger, Ms. Claudine Gallone, as well as graduate students who help with the practical organization.

### **WORK COMPLETED**

BLS5 was successfully held between the 22<sup>nd</sup> and the 27<sup>th</sup> of September 2014.

### **RESULTS**

BLS5 was a huge success, gathering between 396 and 408 attendees (125 students) from 29 different countries. Other significant figures are: 6 invited lectures, 81 oral presentations, 203 posters, 7

workshops, 15 exhibitors. Twenty-one students were invited by the organizers. Five prizes were given to students.

## **IMPACT/APPLICATIONS**

Although it is difficult to give a precise estimate, it seems evident that there will be a huge impact of BLS5 for students and researchers. Many feedbacks received mentioned how beneficial the symposium was for meeting with related researchers, for creating new connections, or to discuss new projects.

## **TRANSITIONS**

None.

## **RELATED PROJECTS**

Following on the success of BLS5, the 6<sup>th</sup> International bio-logging symposium will be held in Germany, probably around 2017, organized by the Max Planck Institute for Ornithology with Dr. Martin Wikelski as the convenor.

The Proceedings of BLS5 will be published in two open-access BioMed Central (BMC) journals: Animal Biotelemetry (<http://www.animalbiotelemetry.com/>) and Movement Ecology (<http://www.movementecologyjournal.com/>).

A book on Bio-logging, commissioned on Springer will be published in the coming year. In the meantime, synthesis articles on bio-logging are being written by the convenors and some participants.

## **REFERENCES**

## **PUBLICATIONS**

## **PATENTS**

## **HONORS/AWARDS/PRIZES**